

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 10312788  
PUBLICATION DATE : 24-11-98

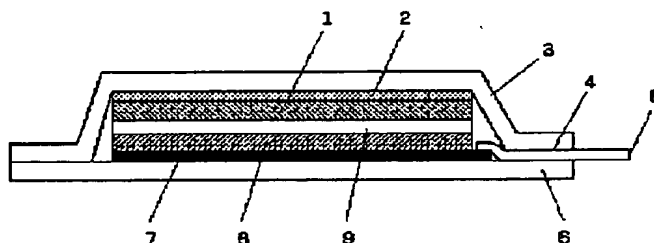
APPLICATION DATE : 14-05-97  
APPLICATION NUMBER : 09139388

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INT.CL. : H01M 2/30 H01M 2/06 H01M 10/02  
H01M 10/40

TITLE : FLAT BATTERY



**ABSTRACT :** PROBLEM TO BE SOLVED: To prevent the peeling of an electrode lead and a seal section, prevent a liquid leakage, and improve the shelf life by applying the chromate process as a surface treatment to the electrode lead before it is connected when the electrode lead connected to an electrode is extracted to the outside through the seal section.

**SOLUTION:** A surface treatment 4 is applied to the surface of a positive electrode lead 5, particularly the surface of the portion to be kept in contact with a seal section, via a finishing agent, and the connection between a sealing material 6 and positive electrode lead 5 is improved. The chromate process capable of most increasing the connection to the sealing material 6 is applied as the finishing agent, and the process of a chromate, particularly an acceleration type chromate, among alkali-chromate, chromate, and phosphoric acid- chromate has the highest connection to the sealing material 6 as the chromate process. When ultrasonic welding is used as, the connecting means between the positive electrode lead 5 and a positive electrode, the film generated by the surface treatment is broken, and the positive electrode lead 5 and positive electrode can be directly welded together.

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